

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/RU 03/00015

A. CLASSIFICATION OF SUBJECT MATTER		C23C 2/36
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) C23C 2/00-2/12, 2/34-2/40		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched:		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	RU 98120056 A (ИНЛЭНД СТИЛ КАМПАНИ) 27.08.2000, реферат	1-8
A	SU 1568562 A1 (ВСЕСОЮЗНЫЙ НАУЧНО-ИССЛЕДОВАТЕЛЬСКИЙ ПРОЕКТНО-КОНСТРУКТОРСКИЙ И ТЕХНОЛОГИЧЕСКИЙ ИНСТИТУТ КАБЕЛЬНОЙ ПРОМЫШЛЕННОСТИ) 27.03.1996, формула	9-20
A	RU 94041744 A (МАННЕСМАНН АГ и др.) 27.05.1997, формула	21-28
A	DE 31224161 A1 (ARBED S.A.) 04.03.1982, реферат	1-8
A	GB 2255351 A (MBF CONSULFANCY LIMITED) 04.11.1992, реферат	1-8, 21-28
A	SU 848481 A (ГОСУДАРСТВЕННЫЙ ИНСТИТУТ ПО ПРОЕКТИРОВАНИЮ ТЕХНОЛОГИЙ МОНТАЖА ПРЕДПРИЯТИЙ НЕФТЕПЕРЕРАБАТЫВАЮЩЕЙ И НЕФТЕХИМИЧЕСКОЙ ПРОМЫШЛЕННОСТИ "ГИПРОНЕФТЕСПЕЦМОНТАЖ") 23.07.1981, формула	9-20
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document with may throw doubts on priori claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search report 27 May 2003 (27.05.2003)		Date of mailing of the international search report 26 June 2003 (26.06.2003)
Name and mailing address of the ISA/RU FIPS Russia, 123995, Moskva, G-59, GSP-5 Berezhkovskaya nab., 30-1		Authorized officer  E. Nefedova
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	<p>(INLEND STIL COMPANY), the abstract</p> <p>(VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY PROEKTNO-KONSTRUKTORSKY I TEKHNOLOGICHESKY INSTITUT KABELNOI PROMYSHLENNOSTI), the claims</p> <p>(MANNESMANN AG et al.), the abstract</p> <p>(ARBED S.A.), the abstract</p> <p>( ), the abstract</p> <p>(GOSUDARSTVENNY INSTITUT PO PROEKTIROVANIJU TEKHNOLGY MONTAZHA PREDPRIYATY NEFTEPERERABATYVAJUSCHEI I NEFTEKHIMICHESKOI PROMYSHLENNOSTI "GIPRONEFTESPETSMONTAZH), the claims</p>	

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

Name and mailing address of the ISA/

Authorized officer

Facsimile No.

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## C. (Continuation), DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	FR 2289624 A1 (MODRIN LOUIS) 28-5-1976, формула	21-28
A	SU 1492759 A1 (СПЕЦИАЛЬНОЕ КОНСТРУКТОРСКОЕ БЮРО МАГНИТНОЙ ГИДРОДИНАМИКИ ИНСТИТУТА ФИЗИКИ АН ЛАТВ ССР) 15.03.1994, формула  (SPETSIALNOE KONSTRUKTORSKOE BJURO MAGNITNOI GIDRODINAMIKI INSTITUTA FIZIKI AN LATV SSR), the claims	21-28